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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

Mr. Steven J. Faryan
Deputy Project Officer
Emergency Response Section
Western Response Unit
U.S. Environmental Protection Agency
11th Floor
230 South Dearborn Street
Chicago, Illinois 60604

March 21, 1988

TAT-05-G2-00343

MAR 30 1988
RECEIVED

Re: Revere Copper and Brass, Detroit, Michigan
TDD# 5-8709-08

Dear Mr. Faryan:

The U.S. Environmental Protection Agency (U.S. EPA) tasked the Technical Assistance Team (TAT) to prepare a Removal Action Plan (RAP) as an addendum to the Revere Copper and Brass (RCB) site assessment report. A review of the site history, site status, and analytical results of samples collected by the TAT was presented in the site assessment report (TDD# 5-8709-08).

Redacted information not relevant to selection of removal action

Should you have any questions or require additional information, please feel free to contact us.

Very truly yours,

ROY F. WESTON, INC.

Daniel M. Capone SDS
Daniel M. Capone
Environmental Scientist

Scott D. Springer
Technical Assistance Team
Leader, Region V

DMC/ljs
Attachment

EPA Region 5 Records Ctr.
239545

REMOVAL ACTION PLAN

FOR

REVERE COPPER AND BRASS

DETROIT, MICHIGAN

Prepared For:

U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois

CONTRACT NO. 68-01-7367

TAT-05-N-00066

TDD NO. 5-8709-08

Prepared By:

WESTON-SPER
Technical Assistance Team
Region V

March, 1988

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

PAGE

1.0 INTRODUCTION

The following Removal Action Plan (RAP) for the Revere Copper and Brass (RCB) site is an addendum to the site assessment report presented to U.S. Environmental Protection Agency (U.S. EPA) Deputy Project Officer Steve Faryan on January 21, 1988 (TDD# 5-8709-08).

The RCB site, an abandoned copper-bearing products manufacturer, is located at 5831 West Jefferson Avenue, approximately 1-1/4 miles southwest of the Ambassador Bridge in Wayne County, Detroit, Michigan (Figure 1 and 2). Elevated levels of polychlorinated biphenyls (PCBs) were suspected at the site due to RCB's salvaging operations.

During a site assessment by the TAT in September 1987, several equipment-mounting pits containing water and oil were identified inside the Revere building (Figure 3). Subsequent sampling by the TAT in November 1987, revealed PCBs in two of the six pits sampled (Table 1).

During this sampling effort, the TAT discovered a block of approximately 12 capacitors mounted in a pit. A punctured capacitor was also found on the floor above the pit. A sample of the soil beneath the punctured capacitor revealed an elevated level of PCBs (160,000 parts per million [ppm]).

This RAP addresses the removal and disposal of the capacitors and associated PCB-contaminated soil and debris.

2.0 RECOMMENDATIONS

The cleanup of the RCB site is estimated to take 5 days. The first day will include mobilization of personnel and equipment, and establishment of work zones. The second day will involve removing the capacitors and placing them into 55-gallon drums. These drums will be secured and properly labeled for transportation to a Toxic Substances Control Act (TSCA) approved incinerator. Contaminated soil and debris in the area of the punctured capacitor will also be placed in 55-gallon drums and transported off-site for incineration. Extent of contamination sampling of the floor should be conducted in the area of the punctured capacitor to insure a complete removal.

The third and fourth days of the cleanup will entail an investigation of the underground pits in the building to determine if additional capacitors exist. For the purposes of this RAP, cost estimates were based on the disposal of 15 capacitors. Increased costs will result if more capacitors are located at the site.

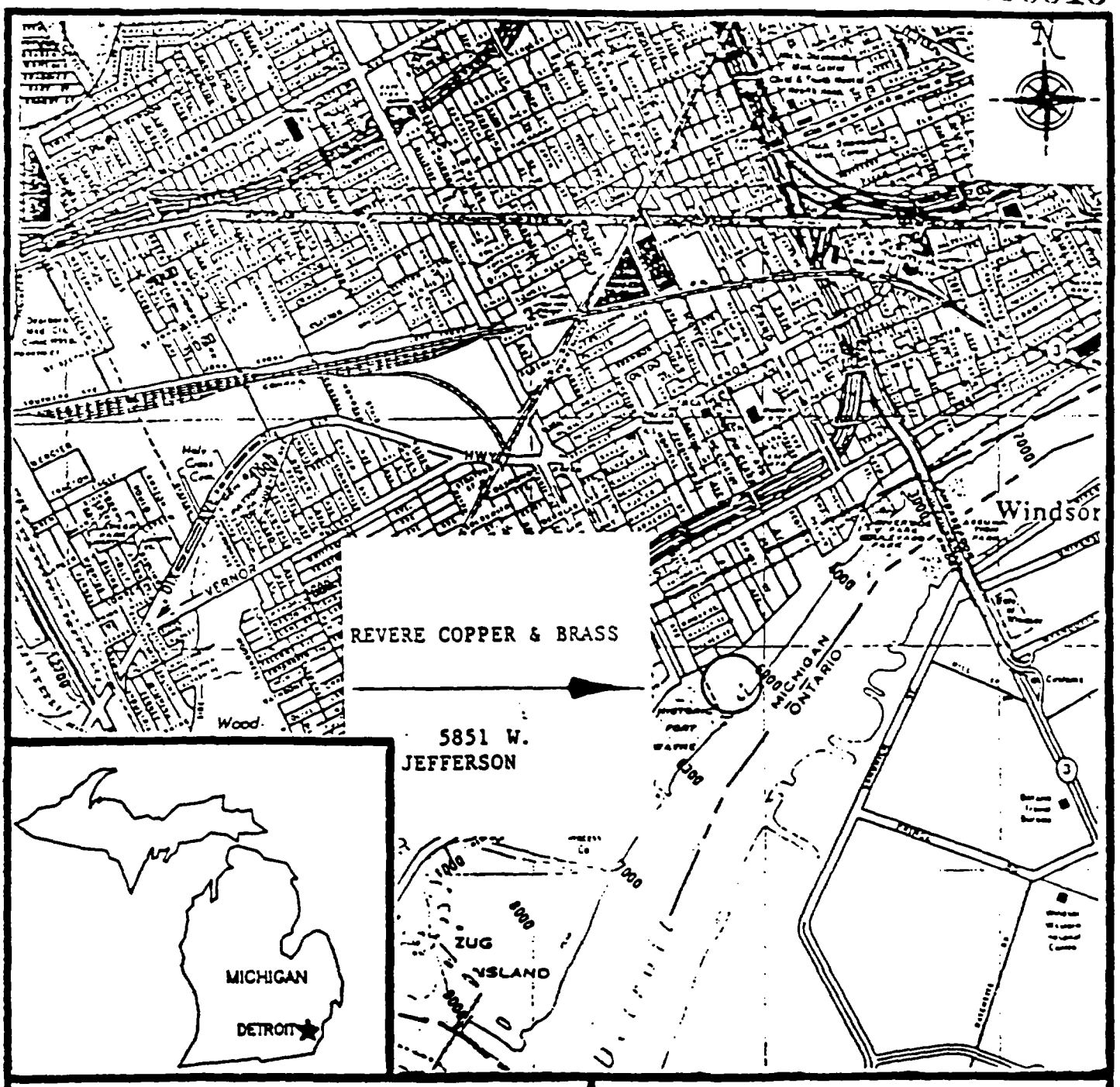

FIGURE 1
SITE LOCATION MAP
REVERE COPPER AND BRASS
DETROIT, MICHIGAN

NOT TO SCALE

WESTON

DRAWN BY	DATE	PCS #
M. TURNBULL	11-17-87	1339
APPROVED	DATE	TDD #
J. BINKLEY	1-18-88	5-8709-08

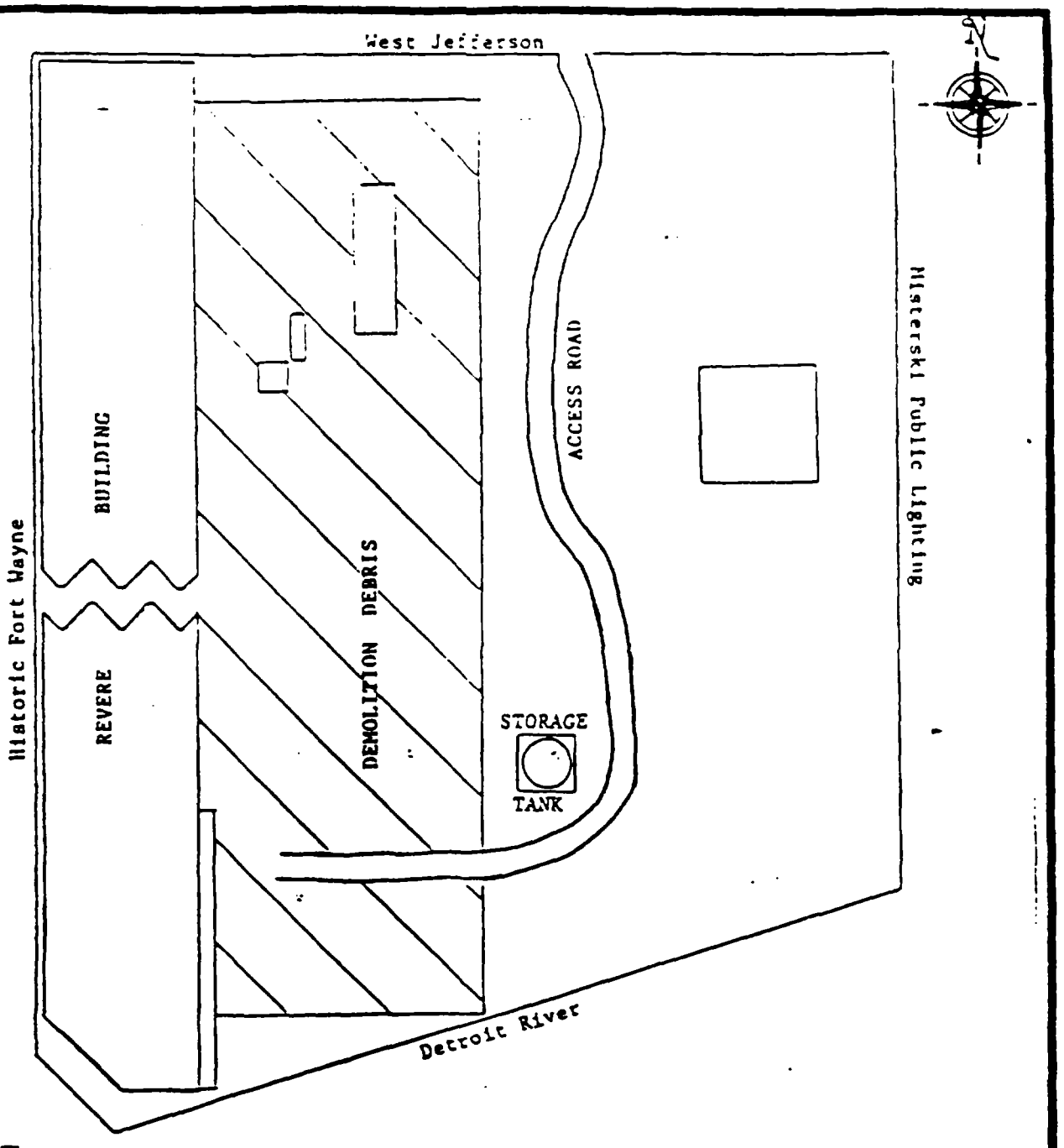

FIGURE 2

SITE MAP

REVERE COPPER AND BRASS

DETROIT, MICHIGAN

NOT TO SCALE

WESTON

DRAWN BY	DATE	PCS #
M. TURNBULL	11-17-87	1339
APPROVED J. BINKLEY	DATE 1-18-88	TDD # 5-8709-08

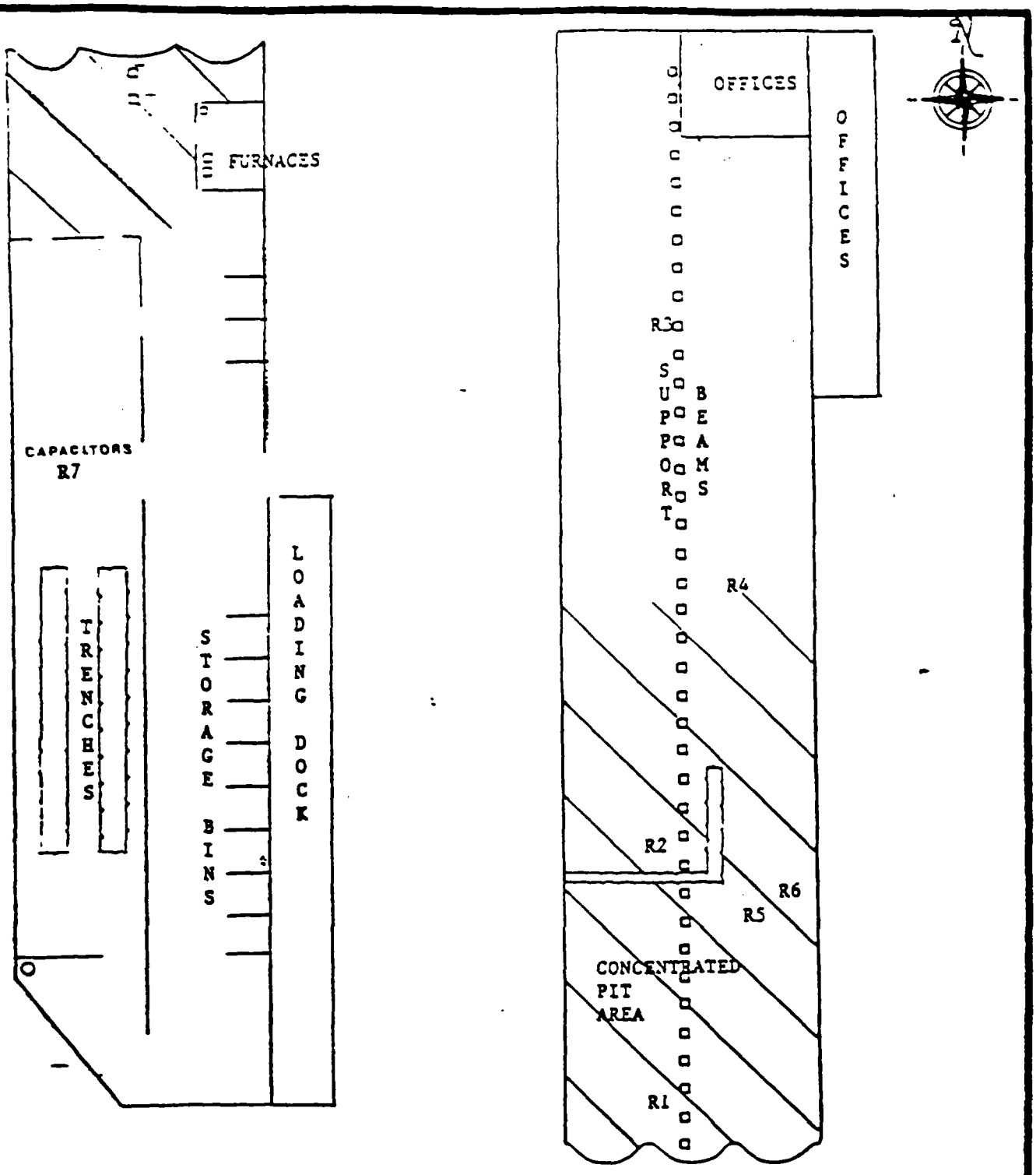

FIGURE 3

SAMPLING LOCATION MAP

REVERE COPPER AND BRASS

DETROIT, MICHIGAN

NOT TO SCALE

WESTON

DRAWN BY	DATE	PCS #
M. TURNBULL	11-17-87	1339
APPROVED	DATE	TDD #
J. BINKLEY	1-18-88	S-8709-08

TABLE 1

ANALYTICAL RESULTS OF TAT SAMPLING
REVERE COPPER AND BRASS*

November 5, 1987

Sample Location	Matrix	Contaminant	Concentration (ppm)
R1	Aqueous		<4.0
R2	Aqueous	Arochlor 1242	5.2
R3	Aqueous		<4.0
R4	Aqueous		<2.0
R5	Aqueous		<2.0
R6	Aqueous	Arochlor 1260	5.8
R7	Soil	Arochlor 1242	160,000

*Samples Analyzed by Thermo Analytical, Inc.

The final day of the cleanup will involve demobilization of all equipment and-personnel.

3.0 COSTS

Cost estimates are presented for the Emergency Response Cleanup Services (ERCS) contract, using the O.H. Materials Company's rates. Cost estimates are based on five 10-hour days.

The incineration disposal cost estimates are based on quotes from the Aptus Incinerator in Coffeyville, Kansas. The Aptus Incinerator is currently in compliance with the RCRA off-site policy. The disposal estimates include transportation costs. TAT and U.S. EPA costs are presented in the Cost Summary.

Redacted information not relevant to selection of removal action

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